CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Bituminous Macadam (BM)

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of Agency	Sri. Thilak Kumar. H. S
Date of Testing	14/07/2017

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-03.	Remarks
IS : 2386 (Part 3)	1	0.89	0.91	2 % Maximum	Satisfactory
	2	0.92			
	3	0.93			

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE N4

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

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TEST REPORT

COMBINED FLAKINESS AND ELONGATION INDEX TEST ON AGGREGATES

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of the Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of the Agency	Sri. Thilak Kumar. H. S
Sample	Bituminous Macadam
Date of Testing	14/07/2017
Technical Reference	IS 2386(Part 1)- 1963 (Reaffirmed-2016)

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Requirements As per MORTH (4th Revision) Table 500-3 for BM
Flakiness Index	21.0	**22.3**	Maximum allowed 'C-F&E' is 30 %
Elongation Index	23.5		

Remarks	**Satisfies the requirement**

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Quality Manager

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TEST REPORT

DETERMINATION OF AGGREGATE IMPACT VALUE

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of the Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of the Agency	Sri. Thilak Kumar. H. S
Sample	Bituminous Macadam
Date of Testing	14/07/2017
Technical Reference	IS 2386(Part 4)- 1963 (Reaffirmed-2016)

Sample No.	Aggregate Impact Value, 'AIV' in %	Average 'AIV' in %	Requirements As per MORTH (4th Revision) Table 500-3 for BM
1	25.6	24.6	Maximum allowed 'AIV' is 30%
2	23.5		

Remarks	**Satisfies the requirement**

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TEST REPORT

COMBINED FLAKINESS AND ELONGATION INDEX TEST ON AGGREGATES

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of the Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of the Agency	Sri. Thilak Kumar. H. S
Sample	Bituminous Concrete
Date of Testing	19/07/2017
Technical Reference	IS 2386(Part 1)- 1963 (Reaffirmed-2016)

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Requirements as per MORTH (4th Revision) Table 500-17 for BC
Flakiness Index	21.2	**21.9**	Maximum allowed 'C-F&E' is 30 %
Elongation Index	22.6		

Remarks	**Satisfies the requirement**

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TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Bituminous Concrete (BC)

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of Agency	Sri. Thilak Kumar. H. S
Date of Testing	19/07/2017

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-17	Remarks
IS : 2386 (Part 3)	1	0.83	0.86	2 % Maximum	Satisfactory
	2	0.85			
	3	0.89			

Note:

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TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Bituminous Concrete

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of Agency	Sri. Thilak Kumar. H. S
Date of Testing	19/07/2017

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-17	Remarks
IS 6241-1971 (Reafirmed 2003))	1	3.5	3.5	5 % Maximum	Satisfactory
	2	3.6			
	3	3.4			

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 8 mm

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of the Agency	Sri. Thilak Kumar. H. S
Date of Testing	03/06/2017
Grade and Brand of Steel	Fe - 500.

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.397	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	13.5	12	Satisfactory
5	Yield Stress(N/Sq.mm)	520	500	Satisfactory
6	U T S (N/Sq.mm)	578	545	Satisfactory

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4. The results are based on the test conducted on samples supplied by the client.

AEN

(KHUSHBOO L.)
Quality Manager

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

Name & Address of the Customer	AEE,Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Providing asphalting to main and cross roads of Someshwaranagara in ward no 04
Name of the Agency	Sri. Thilak Kumar. H. S
Date of Testing	03/06/2017
Grade and Brand of Steel	Fe - 500.

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.5	12	Satisfactory
5	Yield Stress(N/Sq.mm)	506	500	Satisfactory
6	U T S (N/Sq.mm)	562	545	Satisfactory

Note:

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AE W

Khushboo

(KHUSHBOO L)
Quality Manager

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CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

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T-2654

To,

Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP.

10th July 2017

Dear Sir,

Sub: Testing of Wet Mix Macadam.

As requested, tests on physical properties were carried out for the Wet Mix Macadam supplied by you, for the work of **' Providing asphalting to main and cross roads of Someshwaranagara in ward no 04.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

AEW 4